

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/940,919

DATE: 09/18/2001

TIME: 10:20:50

Input Set : A:\LEX-0228-USA SEQLIST.txt
Output Set: N:\CRF3\09182001\I940919.raw

ENTERED

4 <110> APPLICANT: Friddle, Carl Johan
5 Gerhardt, Brenda
6 Hu, Yi
8 <120> TITLE OF INVENTION: Novel Human GABA Transporter Protein and Polynucleotides
Encoding the
9 Same
11 <130> FILE REFERENCE: LEX-0228-USA
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/940,919
C--> 13 <141> CURRENT FILING DATE: 2001-08-28
13 <150> PRIOR APPLICATION NUMBER: US 60/230,178
14 <151> PRIOR FILING DATE: 2000-09-01
16 <160> NUMBER OF SEQ ID NOS: 3
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22 <212> TYPE: DNA
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28 gcggtgggct tcgcgcattg cgacgacctc gactttgagc accgccaggg cctgcagatg 180
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31 cagggtggag gtggtggcga attcgggggc cagcacaagc ccaaaatcac ggcgtgggag 360
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33 atcctgcacg gcggtacat ggggtgtgtt ctcatcatct tcgcccgcgt tgtgtgtgtc 480
34 tacaccggca agatcctcat cgctgcctg tacgaggaga atgaagacgg cgaggtggtg 540
35 cgcgctgcgg actcgtacgt ggccatagcc aacgcctgct gcgccccgcg cttcccaacg 600
36 ctgggcggcc gagtgggtgaa cgtagcgcag atcatcgagc tggatgatgac gtgcatcctg 660
37 tacgtggtgg tgagtggcaa cctcatgtac aacagcttcc cggggtgcc cgtgtcgcag 720
38 aagtccctgt ccattatcgc cacggccgtg ctgctgcctt gcgccttct taagaacctc 780
39 aaggccgtgt ccaagtccag tctgtctgtc actctggccc acttcgtcat caatatcctg 840
40 gtcatagcct actgtctatc gcgggcgcgc gactgggcct gggagaaggc caagttctac 900
41 atcgacgtca agaagttccc catctccatt ggcacatcgt tgttcagcta cacgtctcag 960
42 atcttctcgc cttcgtctga gggcaatatg cagcagccca gcgagttcca ctgcatgatg 1020
43 aactggacgc acatcgcagc ctgctgtctc aagggcctct tcgcgctcgt cgcctacctc 1080
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55 <211> LENGTH: 525
56 <212> TYPE: PRT

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57 <213> ORGANISM: homo sapiens
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 63 20 25 30
 64 Phe Gln Ala Ala Thr Asp Glu Glu Ala Val Gly Phe Ala His Cys Asp
 65 35 40 45
 66 Asp Leu Asp Phe Glu His Arg Gln Gly Leu Gln Met Asp Ile Leu Lys
 67 50 55 60
 68 Ala Glu Gly Glu Pro Cys Gly Asp Glu Gly Ala Glu Ala Pro Val Glu
 69 65 70 75 80
 70 Gly Asp Ile His Tyr Gln Arg Gly Ser Gly Ala Pro Leu Pro Pro Ser
 71 85 90 95
 72 Gly Ser Lys Asp Gln Val Gly Gly Gly Glu Phe Gly Gly His Asp
 73 100 105 110
 74 Lys Pro Lys Ile Thr Ala Trp Glu Ala Gly Trp Asn Val Thr Asn Ala
 75 115 120 125
 76 Ile Gln Gly Met Phe Val Leu Gly Leu Pro Tyr Ala Ile Leu His Gly
 77 130 135 140
 78 Gly Tyr Leu Gly Leu Phe Leu Ile Ile Phe Ala Ala Val Val Cys Cys
 79 145 150 155 160
 80 Tyr Thr Gly Lys Ile Leu Ile Ala Cys Leu Tyr Glu Glu Asn Glu Asp
 81 165 170 175
 82 Gly Glu Val Val Arg Val Arg Asp Ser Tyr Val Ala Ile Ala Asn Ala
 83 180 185 190
 84 Cys Cys Ala Pro Arg Phe Pro Thr Leu Gly Gly Arg Val Val Asn Val
 85 195 200 205
 86 Ala Gln Ile Ile Glu Leu Val Met Thr Cys Ile Leu Tyr Val Val Val
 87 210 215 220
 88 Ser Gly Asn Leu Met Tyr Asn Ser Phe Pro Gly Leu Pro Val Ser Gln
 89 225 230 235 240
 90 Lys Ser Trp Ser Ile Ile Ala Thr Ala Val Leu Leu Pro Cys Ala Phe
 91 245 250 255
 92 Leu Lys Asn Leu Lys Ala Val Ser Lys Phe Ser Leu Leu Cys Thr Leu
 93 260 265 270
 94 Ala His Phe Val Ile Asn Ile Leu Val Ile Ala Tyr Cys Leu Ser Arg
 95 275 280 285
 96 Ala Arg Asp Trp Ala Trp Glu Lys Val Lys Phe Tyr Ile Asp Val Lys
 97 290 295 300
 98 Lys Phe Pro Ile Ser Ile Gly Ile Ile Val Phe Ser Tyr Thr Ser Gln
 99 305 310 315 320
 100 Ile Phe Leu Pro Ser Leu Glu Gly Asn Met Gln Gln Pro Ser Glu Phe
 101 325 330 335
 102 His Cys Met Met Asn Trp Thr His Ile Ala Ala Cys Val Leu Lys Gly
 103 340 345 350
 104 Leu Phe Ala Leu Val Ala Tyr Leu Thr Trp Ala Asp Glu Thr Lys Glu
 105 355 360 365
 106 Val Ile Thr Asp Asn Leu Pro Gly Ser Ile Arg Ala Val Val Asn Ile

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109 385      390      395
110 Ala Val Glu Val Leu Glu Lys Ser Leu Phe Gln Glu Gly Ser Arg Ala
111      405      410      415
112 Phe Phe Pro Ala Cys Tyr Ser Gly Asp Gly Arg Leu Lys Ser Trp Gly
113      420      425      430
114 Leu Thr Leu Arg Cys Ala Leu Val Val Phe Thr Leu Leu Met Ala Ile
115      435      440      445
116 Tyr Val Pro His Phe Ala Leu Leu Met Gly Leu Thr Gly Ser Leu Thr
117      450      455      460
118 Gly Ala Gly Leu Cys Phe Leu Leu Pro Ser Leu Phe His Leu Arg Leu
119 465      470      475
120 Leu Trp Arg Lys Leu Leu Trp His Gln Val Phe Phe Asp Val Ala Ile
121      485      490      495
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127 <210> SEQ ID NO: 3
128 <211> LENGTH: 2261
129 <212> TYPE: DNA
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135 cgccgcgcgc gccctccgca gccagctcg cgcccgcg cgctccgca gtgcactagc      180
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137 agagagcctc gaacgccagc tgcgagggtc atgagccaga gagccccgg gcgcgcgcgc      300
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139 ccgcctcct cgggtccttc tgtcctttcc gctgtcccca ccgcgcgcat ggccaccttg      420
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148 atcctcatcg cgtgcctgta cgaggagaat gaagacggcg aggtgggtgc cgtgcgggac      960
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156 tcgctggagg gcaatatgca gcagccagc gagttccact gcatgatgaa ctggacgcac      1440
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160 ctggagaagt cgctcttcca ggaaggcagc cgcgcctttt tcccggcctg ctacagcggc 1680
161 gacgggcgcc tgaagtccctg ggggctgacg ctgcgctgcg cgctcgctgt cttcacgctg 1740
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/940,919

DATE: 09/18/2001
TIME: 10:20:51

Input Set : A:\LEX-0228-USA SEQLIST.txt
Output Set: N:\CRF3\09182001\I940919.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date